

Abstract

The present invention concerns a functional fluid comprising

- A) 1 to 99 % by weight based on the total weight of the functional fluid of alkyl(meth)acrylate polymers obtainable by polymerizing a mixture of olefinically unsaturated monomers, which consists of
- a) 1-100 wt% based on the total weight of the ethylenically unsaturated monomers of one or more ethylenically unsaturated ester compounds of formula (I)



where R is hydrogen or methyl, R¹ means a linear or branched alkyl residue with 1-6 carbon atoms, R² and R³ independently represent hydrogen or a group of the formula -COOR', where R' means hydrogen or a alkyl group with 1-6 carbon atoms,

- b) 0-99 wt% based on the total weight of the ethylenically unsaturated monomers of one or more ethylenically unsaturated ester compounds of formula (II)



where R is hydrogen or methyl, R⁴ means a linear or branched alkyl residue with 7-40 carbon atoms, R⁵ and R⁶ independently are hydrogen or a group of the formula -COOR'', where R'' means hydrogen or an alkyl group with 7-40 carbon atoms,

- c) 0-50 wt% based on the total weight of the ethylenically unsaturated monomers comonomers,

and

- B) 1 to 99 % by weight based on the total weight of the functional fluid of an oxygen containing compound selected from to group of organophosphorus compounds, carboxylic acid esters and/or polyether polyols.